

42720 Recombinant Mouse Annexin A8 (hANXA8)

Source:	Expressed in <i>E.coli</i>
Tag:	N-terminal 6xHis
Size:	100µg
Purity:	>95%, determined by SDS-PAGE
Other Names:	VAC-beta

Introduction to the Molecule

Annexin A8 (ANXA8) belongs to the annexin family of evolutionally conserved Ca²⁺ and phospholipid binding proteins. ANXA8 may function as an anticoagulant which inhibits the function of thromboplastin-specific complex in an indirect manner. Human ANXA8 shares 92.661% sequence identity with rat ANXA8 and 92.094% with mouse ANXA8 respectively.

Amino Acid Sequence

MRGSHHHHHHGMASMTGGQQMGRDLY
DDDDKDRWGSELEENLYFQAWWKAWVE
QEGVSVKGS SHFNPDPAETLYKAMKGIGTN
EQAIIDVLTKR SNVQRQQIAKSFKAQFGKDLT
ETLKSELSGKFERLIVALMYPPYSYEAKELHDA
MKGLGTKEGVIIIEILASRTKNQLREIMKAYEED
YGSTLEEDIQGD TSGYLERILVCLLQGS RDDV
SGFVDPGLVLQDAQALHEAGEKIMGTDEM KFI
TILCTRSATHLMRVFEEYEKIANKCIEDSIKSET
HGSLEEAMLT VVKCTRN VHSYFAERLYAMKG
AGTRDGT LRNIVSRSEIDLNLIKGQFKKMYG
KTLSSMIMADTSGYYKTALLNLVGTDL

Note: **6xhis tag** and **EK cleavage site** are highlighted

Formulation, Reconstitution and Storage

- Lyophilized at 1 mg/mL in NaCl 137mM, KCl 2.7mM, Na₂HPO₄ 10mM, KH₂PO₄ 1.8mM, pH 8.0.
- Add deionized water to prepare a working stock solution of approximately 1 mg/mL and let the lyophilized pellet dissolve completely.
- Store lyophilized protein at -20°C. Aliquot reconstituted protein and store at -80°C. Avoid repeated freezing /thawing cycles.

SDS-PAGE Gel

